

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------|---------|------------------|
| S1 | 548 | 219/69.15.ccls. | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/12 14:49 |
| S2 | 235 | 219/84.ccls. | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/12 16:13 |
| S3 | 19 | S1 and ((annular or disc of conical)with tip) and electrode | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/12 14:10 |
| S4 | 127 | ((("1300603") or ("1308778") or ("3102945") or ("3430027") or ("3504155") or ("3596043") or ("3842235") or ("4137444") or ("4160892") or ("4258245") or ("4334138") or ("4352001") or ("4376883") or ("4376884") or ("4389556") or ("4401874") or ("4404447") or ("4409456") or ("4410781") or ("4476371") or ("4536636") or ("4559431") or ("4572937") or ("4591686") or ("4595326") or ("4652714") or ("4652715") or ("4652720") or ("4714816") or ("4732026") or ("4760234") or ("4788405") or ("4795875") or ("4820896") or ("4830094") or ("4868364") or ("4879445") or ("4939335") or ("5122629") or ("5171961") or ("5249725") or ("5313041") or ("5622637") or ("5811750") or ("5925264") or ("6011236") or ("6479784"))).PN. | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/12 14:10 |

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| S5 | 2 | ("1308778").URPN. | USPAT | OR | ON | 2005/07/12 14:23 |
| S9 | 16026 | S8 with steel | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2005/07/12 14:53 |
| S10 | 180 | S8 with (high near5 strength near5 steel) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2005/07/12 15:01 |
| S11 | 69 | resistance with weld\$3 with electrode with design | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2005/07/12 15:01 |
| S12 | 94 | annular with electrode with welding with tip | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T | OR | ON | 2005/07/12 16:14 |
| S13 | 4 | ("3219790" "5508488" "6355900").PN. OR ("6765171").URPN. | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/12 16:16 |
| S14 | 12 | ("1303919" "2379187" "3574075" "4591687" "4972046").PN. OR ("5304769").URPN. | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/12 16:32 |

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| S15 | 987 | 219/117.1.ccls. | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T | OR | ON | 2005/07/12 16:34 |
| S16 | 0 | S15 with (high with strength with steel) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T | OR | ON | 2005/07/12 16:34 |
| S17 | 11 | S15 and (high with strength with steel) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T | OR | ON | 2005/07/12 16:34 |
| S19 | 227 | tokujiro.in. | JPO; DERWEN T | OR | ON | 2005/07/13 08:55 |
| S20 | 3629 | bradley.in. | EPO; DERWEN T | OR | ON | 2005/07/13 08:57 |
| S21 | 1719 | nugget near10 weld\$3 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2005/07/13 11:04 |
| S22 | 5952 | resistance near10 weld\$3 near10 steel | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2005/07/13 11:26 |

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| S23 | 952 | 219/118.ccls. | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2005/07/13 11:06 |
| S24 | 8271 | S21 or S22 or S23 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2005/07/13 11:06 |
| S25 | 21 | S21 and S22 and S23 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2005/07/13 11:14 |
| S26 | 67 | S21 and S23 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2005/07/13 11:18 |
| S28 | 434 | resistance near10 weld\$3 near10 electrode near10 steel | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2005/07/13 11:20 |

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| S29 | 2965 | S21 or S23 or S28 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2005/07/13 11:20 |
| S31 | 2098 | S21 or S28 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2005/07/13 11:21 |
| S32 | 55 | S21 and S28 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2005/07/13 11:21 |
| S33 | 474 | resistance near10 weld\$3 near10 (high with strength with steel) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2005/07/13 11:27 |
| S35 | 197878 | koji.in. | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T | OR | ON | 2005/07/13 11:43 |

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| S37 | 21 | S35 and spot with resistance with weld\$3 with electrode | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/13 12:51 |
| S39 | 36 | (annular or doughnut or disc or nugget) with tip with shape with weld\$3 with electrode | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/07/13 12:52 |
| S40 | 8 | ("2284483").URPN. | USPAT | OR | ON | 2005/07/13 14:13 |
| S41 | 692 | (148/320).CCLS. | US-PGPU B; USPAT | OR | OFF | 2005/07/14 08:53 |
| S43 | 230 | S41 and yield near20 strength | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/14 08:54 |
| S44 | 230 | S41 and yield near20 strength | US-PGPU B; USPAT | OR | ON | 2005/07/14 08:56 |
| S45 | 100 | S44 and weld\$3 | US-PGPU B; USPAT | OR | ON | 2005/07/14 09:14 |
| S46 | 423 | 219/117.1.ccls. | US-PGPU B; USPAT | OR | ON | 2005/07/14 12:44 |
| S49 | 549 | S46 or ((mild near20 carbon near20 steel) and (high near20 strength near20 steel)) | US-PGPU B; USPAT | OR | ON | 2005/07/14 12:37 |
| S50 | 664 | S46 or ((mild with (high near20 strength))with steel) | US-PGPU B; USPAT | OR | ON | 2005/07/14 09:21 |
| S52 | 87 | ("3263387" "3868796" "3938288" "3964208"). PN. OR ("4090734"). URPN. | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/14 09:33 |

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| S53 | 31 | ("3272667" "3318729" "3392263" "3496322" "3539765" "3769491" "3796609" "3867608" "3868487" "3959031" "3999036" "4029934" "4071734" "4251711" "4379811" "4432937" "4443406" "4465921" "4675056" "4683011" "4764224" "5003155"). PN. OR ("5300754"). URPN. | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/14 10:06 |
| S54 | 32 | ("2467636" "2967228" "3433921" "3581047" "3842235" "4214142" "4296304" "4317980" "4441006" "4447700" "4461944" "4542277" "4684778" "4795875" "4841113" "4861959" "4970361" "4984171" "5220145" "5225647" "5288968" "5360156" "5376766" "5393950" "5645738").PN. OR ("5818008").URPN. | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/14 10:13 |
| S55 | 71 | ("3123170" "3493257" "4090734" "4103459" "4238540" "4397490" "4559274" "4610836" "4751249" "4836516" "4853270" "4861097" "4901500" "4908930" "4922596" "4923902" "4978562" "4995545" "5122398" "5124186" "5255487" "5575526"). PN. OR ("6096403"). URPN. | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/14 10:31 |

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| S56 | 71 | ("3123170" "3493257" "3815307" "4090734" "4238540" "4397490" "4559274" "4610836" "4751249" "4836516" "4853270" "4861097" "4901500" "4908930" "4922596" "4923902" "4995545" "5122398" "5124186" "5209541" "5255487").PN. OR ("6168226").URPN. | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/14 10:40 |
| S57 | 12 | ("3683147" "4118543" "4273983" "4305087" "4480166" "5136135" "5328527" "5330097" "5473133" "5942135" "6037559" "6222150"). PN. OR ("6642471"). URPN. | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/14 10:52 |
| S58 | 17 | ("1172301" "1172302" "1249532" "1822197" "3256419" "3652820" "5063278").PN. OR ("5473133").URPN. | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/14 11:05 |
| S60 | 30 | (mild near20 steel) near20 (high near20 strength near20 steel) near20 weld\$3 | US-PGPU B; USPAT | OR | ON | 2005/07/14 11:14 |
| S64 | 162 | (spot or resistance) near20 weld\$3 near20 (mild or (high near10 strength) or alloy) near20 steel near (sheet or sheets or plate or plates or member or members) | US-PGPU B; USPAT | OR | ON | 2005/07/14 11:48 |
| S65 | 65 | (spot or resistance) near20 weld\$3 near20 (mild or (high near10 strength) or alloy) near20 steel near (sheet or sheets or plate or plates or member or members) | USOCR | OR | ON | 2005/07/14 11:48 |
| S69 | 15 | ("2848595" "3068350" "3149221" "3654424"). PN. OR ("4442337"). URPN. | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/14 12:32 |

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| S71 | 179574 3 | resistance with weld\$3 with (two or laminated or composite) or (sheet or sheets or plate or plates) mild with steel | US-PGPU B; USPAT | OR | ON | 2005/07/14 12:40 |
| S72 | 179184 8 | resistance with weld\$3 with (two or laminated or composite) or (sheet or sheets or plate or plates) mild with carbon with steel | US-PGPU B; USPAT | OR | ON | 2005/07/14 12:41 |
| S76 | 30 | ("0802707" "2427588" "2510960" "2715172" "2718581" "2751482" "2818490" "3200231" "3306838" "3427423" "3475312" "3524038" "3561662" "3622735" "4023005").PN. OR ("4565914").URPN. | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/14 12:43 |
| S78 | 10 | S46 and (mild with steel) with (plate or plates or sheet or sheets) | US-PGPU B; USPAT | OR | ON | 2005/07/14 12:45 |
| S79 | 10 | ("3036200" "3443055"). PN. OR ("3644698"). URPN. | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/14 12:55 |
| S80 | 30 | ("0802707" "2427588" "2510960" "2715172" "2718581" "2751482" "2818490" "3200231" "3306838" "3427423" "3475312" "3524038" "3561662" "3622735" "4023005").PN. OR ("4565914").URPN. | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/14 13:09 |
| S81 | 44 | (mild near20 steel) near20(weld\$3 or join\$3 or bond\$3) near20 (high near10 strength near10 steel) | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/14 13:11 |
| S82 | 4 | ("1206890" "5030814"). PN. OR ("5977505"). URPN. | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/14 13:58 |

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| S83 | 6 | ("2826674" "3317703"). PN. OR ("5030814"). URPN. | US-PGPU B; USPAT; USOCR | OR | ON | 2005/07/14 13:59 |
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